

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120418\
 Data File : VN052646.D
 Acq On : 4 Dec 2018 11:25
 Operator : MD\SY
 Sample : VN1204WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBL01

Quant Time: Dec 05 03:06:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1216819	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1875515	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1622514	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	593187	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	640547	48.35	ug/l	0.00
Spiked Amount			Recovery	=	96.70%	
35) Dibromofluoromethane	7.59	113	581907	50.33	ug/l	0.00
Spiked Amount			Recovery	=	100.66%	
50) Toluene-d8	10.09	98	2265630	50.34	ug/l	0.00
Spiked Amount			Recovery	=	100.68%	
62) 4-Bromofluorobenzene	12.40	95	701221	46.36	ug/l	0.00
Spiked Amount			Recovery	=	92.72%	

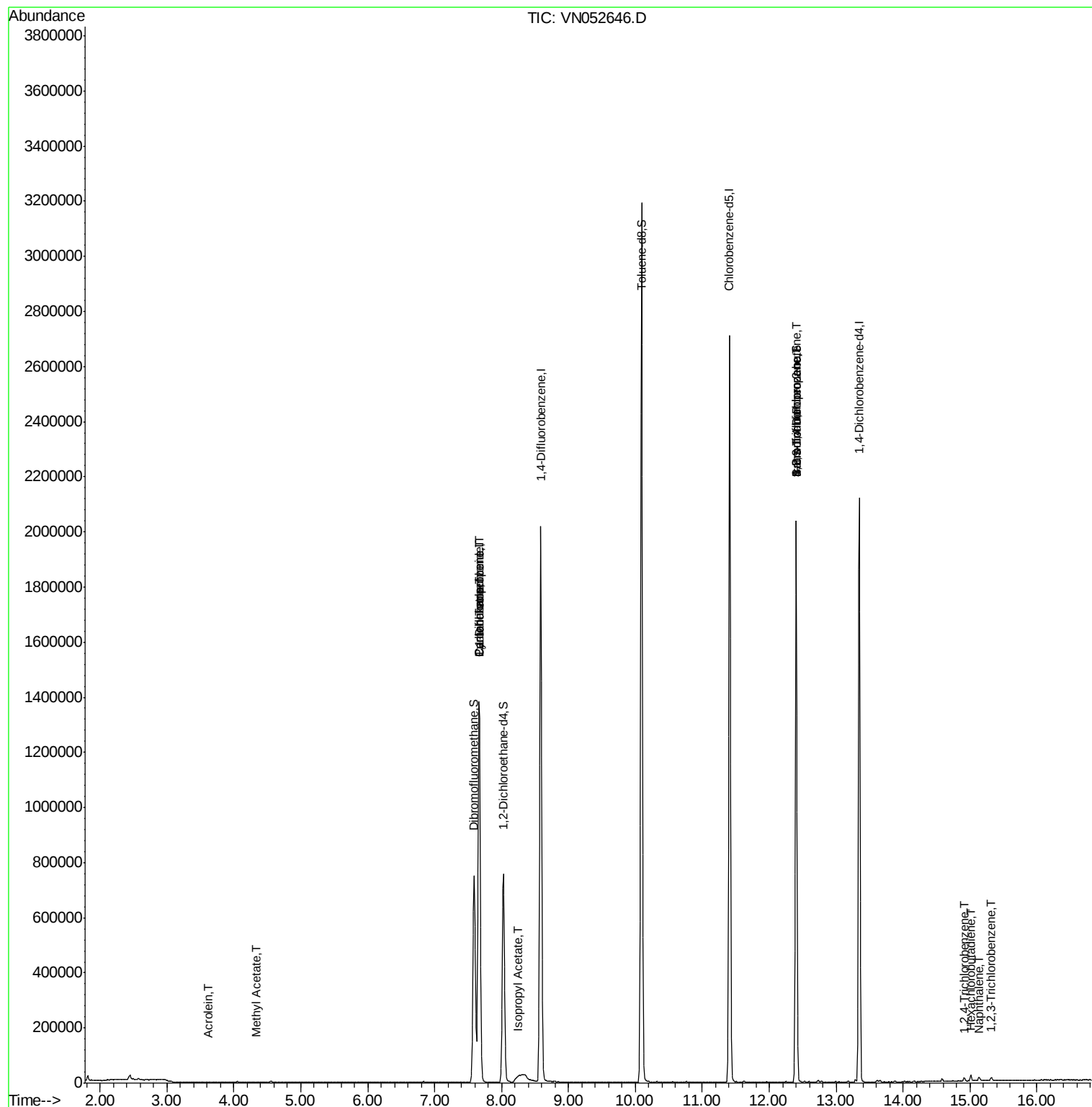
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	393	0.341	ug/l #	42
18) Methyl Acetate	4.34	43	2241	0.224	ug/l #	58
31) Cyclohexane	7.66	56	20968	0.558	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	83161	4.695	ug/l #	50
38) Carbon Tetrachloride	7.67	117	106544	6.645	ug/l #	16
43) Isopropyl Acetate	8.25	43	27647	1.511	ug/l #	51
71) Bromoform	12.40	173	4645	0.603	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	335419	36.669	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	335419	122.456	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.91	180	4060	3.193	ug/l	91
94) Hexachlorobutadiene	15.01	225	5152	0.833	ug/l	90
95) Naphthalene	15.14	128	11598	3.912	ug/l	97
96) 1,2,3-Trichlorobenzene	15.32	180	5418	3.256	ug/l	97

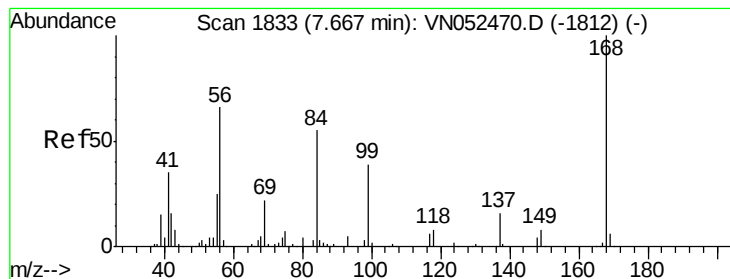
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052646.D

Acq: 4 Dec 2018 11:25

Instrument :

MSVOA_N

ClientSampled :

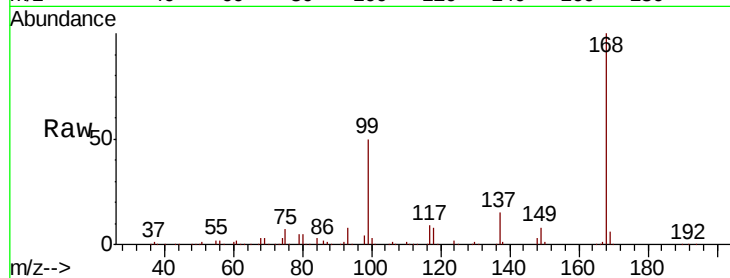
VN1204WBL01

Tot Ion:168 Resp: 1216819

Ion Ratio Lower Upper

168 100

99 49.9 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): VN052470.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN052470.D (-1812) (-)

7.67

600000

500000

400000

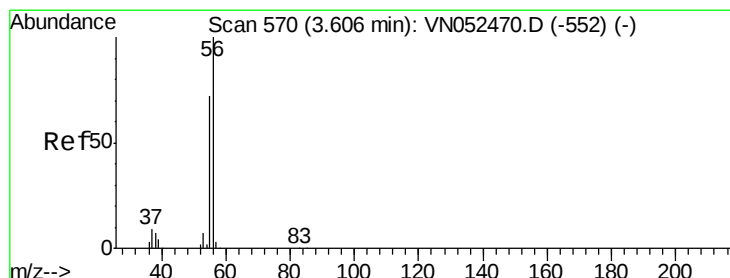
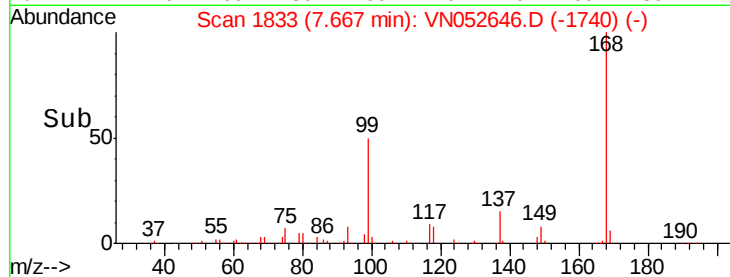
300000

200000

100000

0

Time-->



#13

Acrolein

Concen: 0.341 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN052646.D

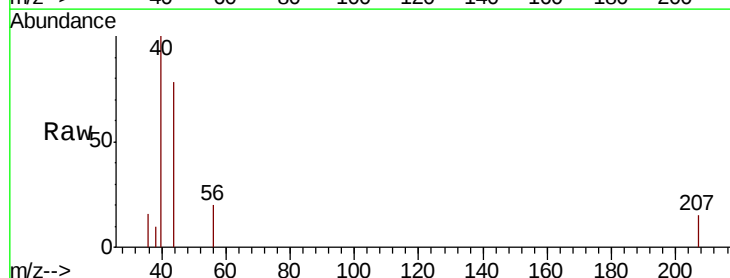
Acq: 4 Dec 2018 11:25

Tgt Ion: 56 Resp: 393

Ion Ratio Lower Upper

56 100

55 23.4 56.8 85.2#



Abundance Ion 56.00 (55.70 to 56.70): VN052470.D (-552) (-)

Ion 55.00 (54.70 to 55.70): VN052470.D (-552) (-)

3.61

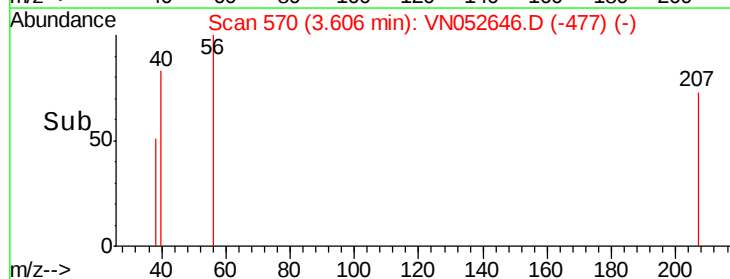
300

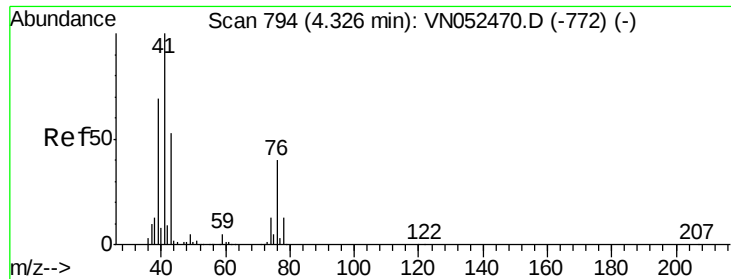
200

100

0

Time-->

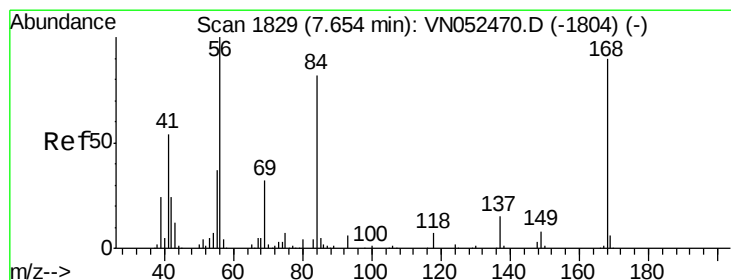
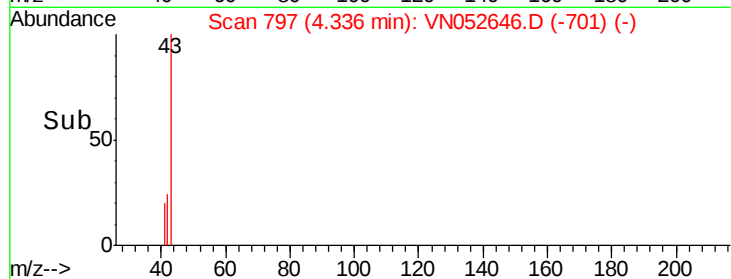
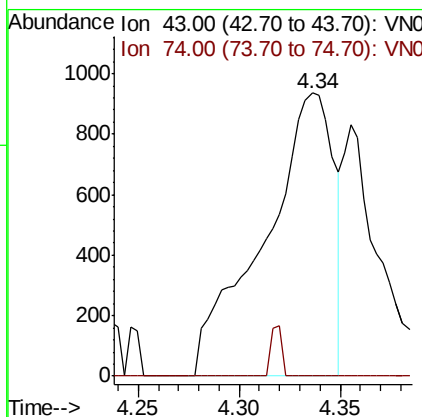
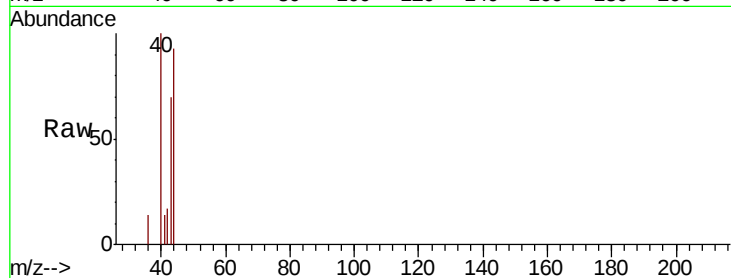




#18
Methyl Acetate
Concen: 0.224 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN052646.D
Acq: 4 Dec 2018 11:25

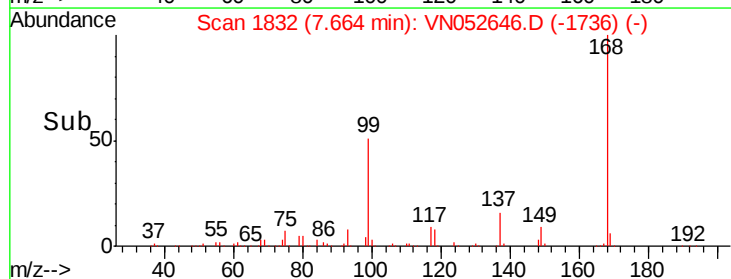
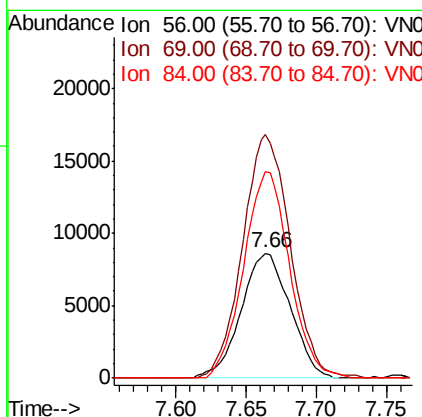
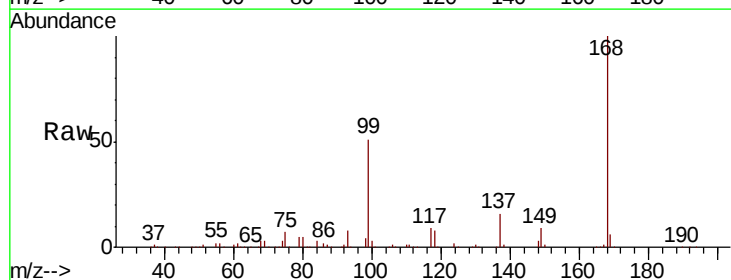
Instrument :
MSVOA_N
ClientSampled :
VN1204WBL01

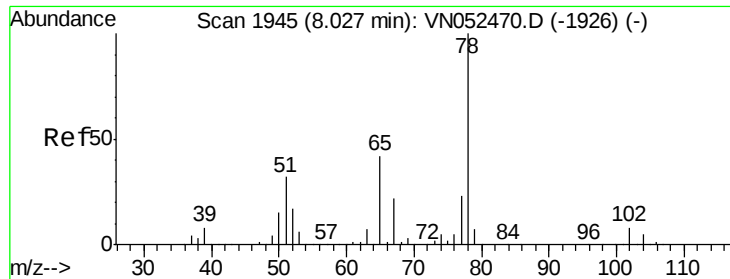
Tot Ion: 43 Resp: 2241
Ion Ratio Lower Upper
43 100
74 2.8 18.6 27.8#



#31
Cyclohexane
Concen: 0.558 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN052646.D
Acq: 4 Dec 2018 11:25

Tgt Ion: 56 Resp: 20968
Ion Ratio Lower Upper
56 100
69 194.8 25.8 38.6#
84 165.2 65.3 97.9#

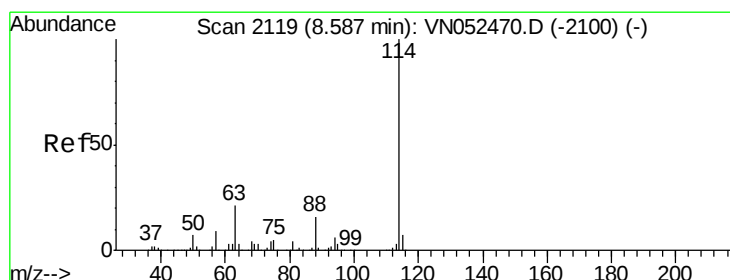
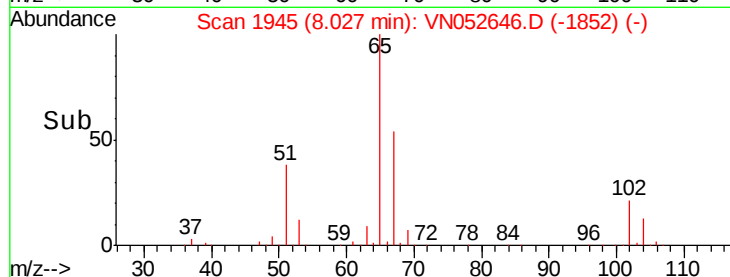
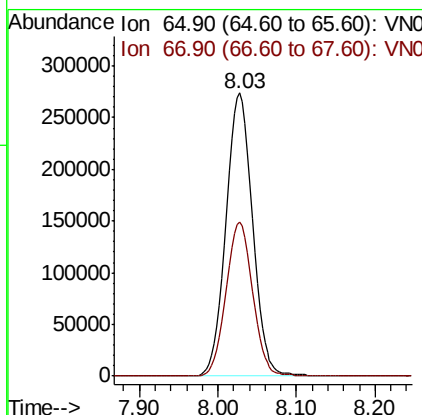
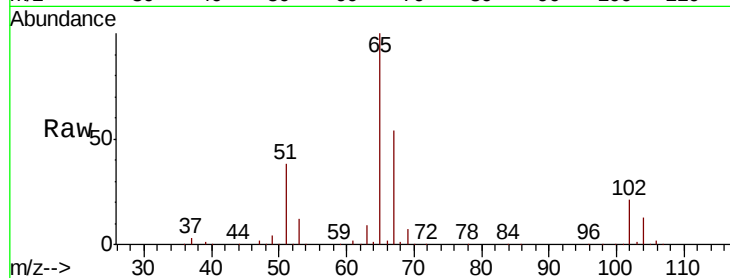




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052646.D
 Acq: 4 Dec 2018 11:25

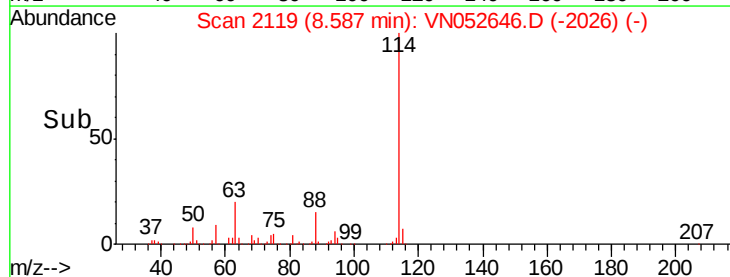
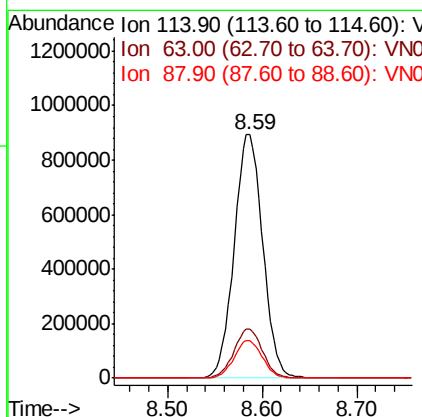
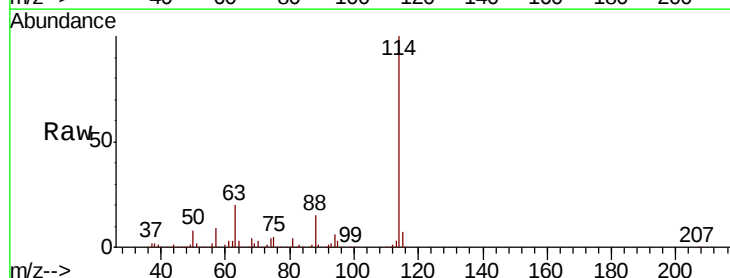
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBL01

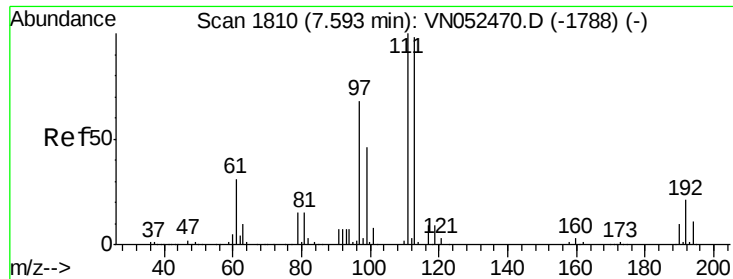
Tot Ion: 65 Resp: 640547
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052646.D
 Acq: 4 Dec 2018 11:25

Tgt Ion: 114 Resp: 1875515
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 41.8
 88 15.4 0.0 31.6

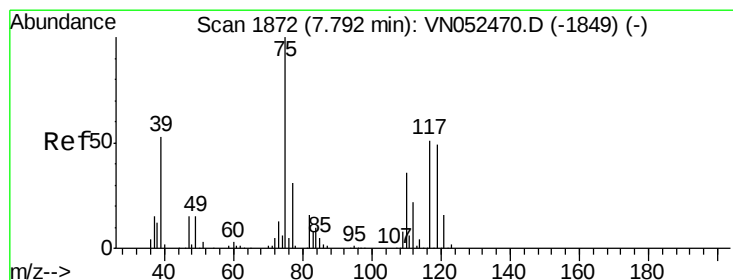
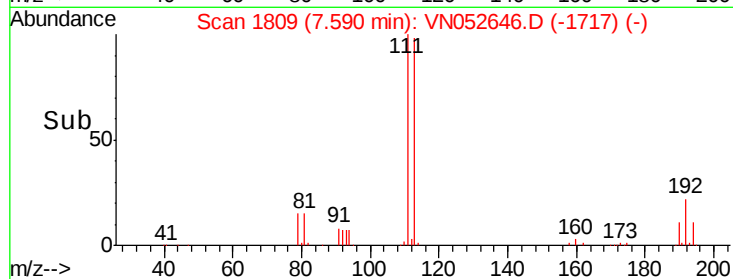
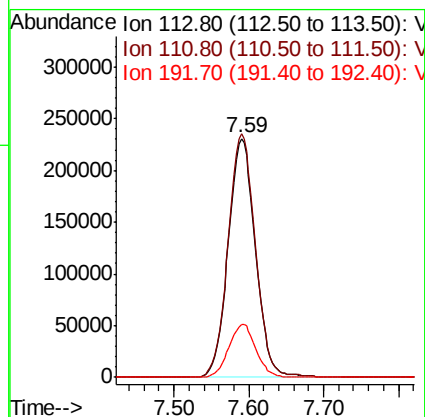
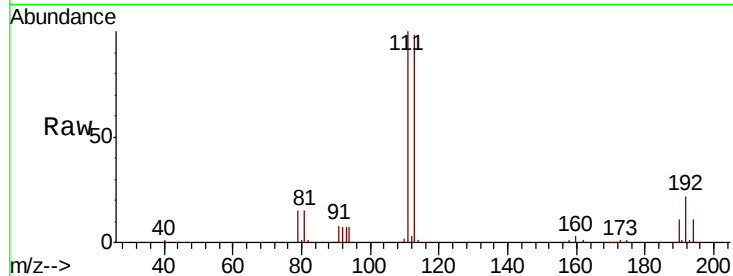




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052646.D
 Acq: 4 Dec 2018 11:25

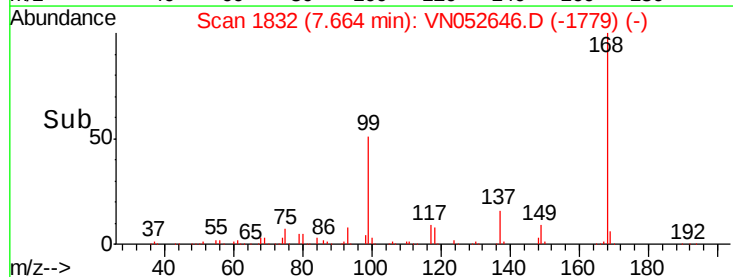
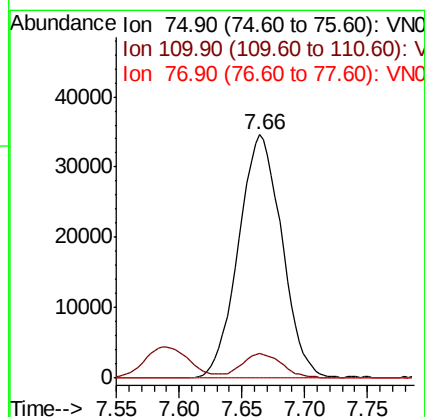
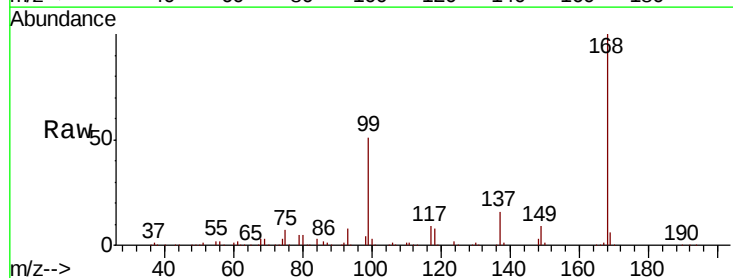
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBL01

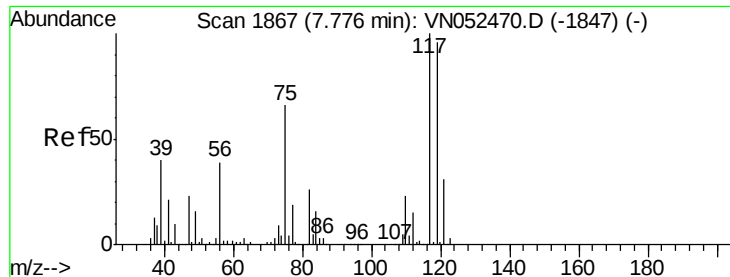
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.0	123.0
192	22.0	17.0	25.6



#36
 1,1-Dichloropropene
 Concen: 4.695 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN052646.D
 Acq: 4 Dec 2018 11:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.4	17.5	52.6#
77	0.0	24.5	36.7#





#38

Carbon Tetrachloride

Concen: 6.645 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052646.D

Acq: 4 Dec 2018 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBL01

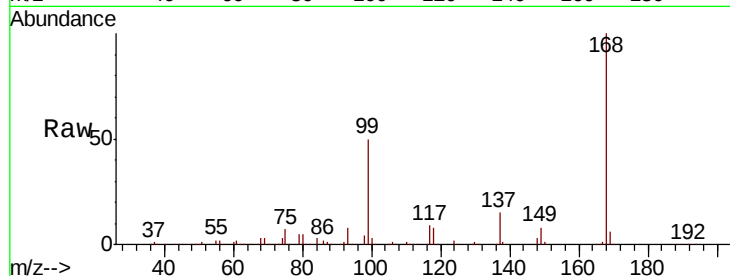
Tot Ion:117 Resp: 106544

Ion Ratio Lower Upper

117 100

119 4.9 76.8 115.2#

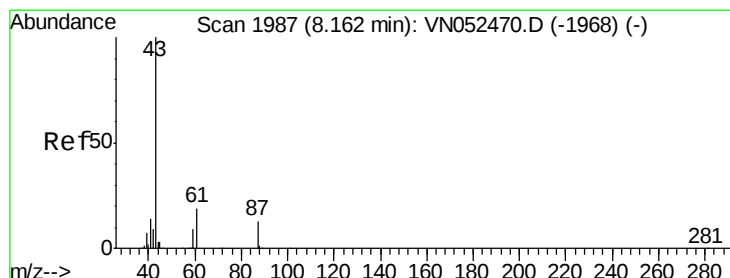
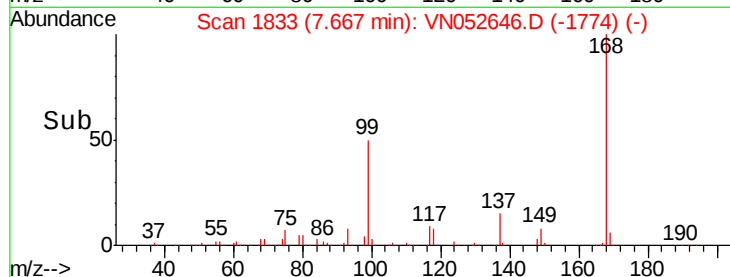
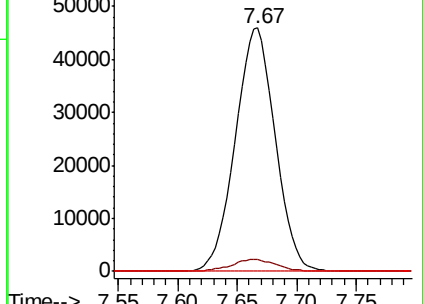
121 0.0 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 1.511 ug/l

RT: 8.25 min Scan# 2015

Delta R.T. 0.09 min

Lab File: VN052646.D

Acq: 4 Dec 2018 11:25

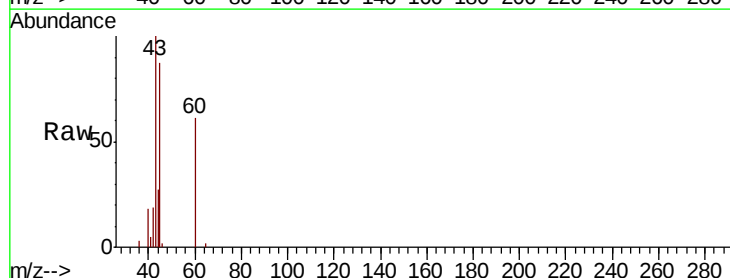
Tgt Ion: 43 Resp: 27647

Ion Ratio Lower Upper

43 100

61 0.0 24.1 36.1#

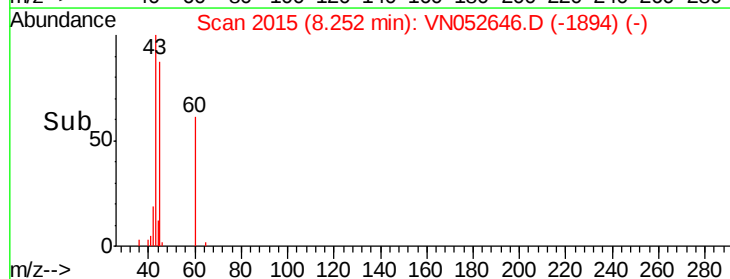
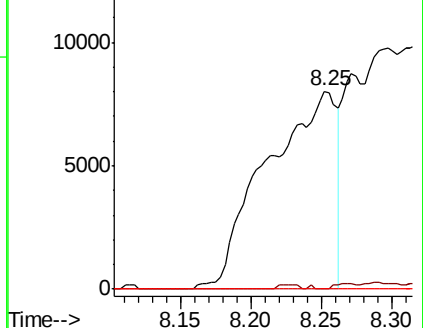
87 0.0 10.6 15.8#

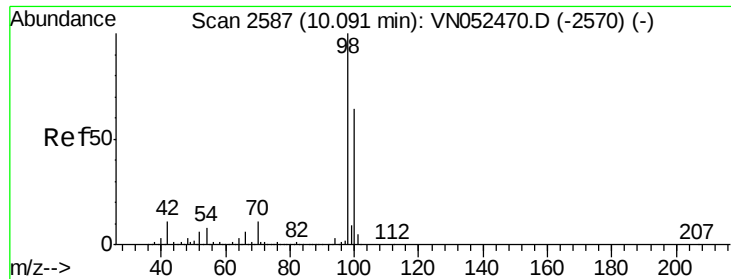


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052646.D

Acq: 4 Dec 2018 11:25

Instrument :

MSVOA_N

ClientSampleId :

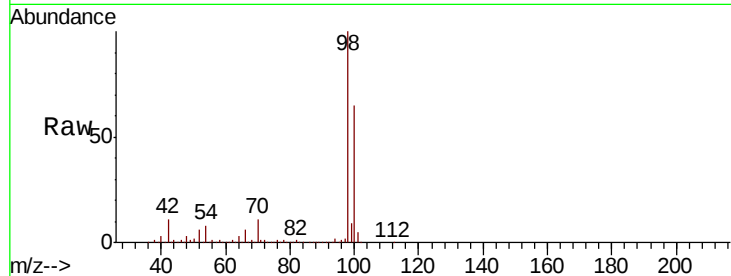
VN1204WBL01

Tot Ion: 98 Resp: 2265630

Ion Ratio Lower Upper

98 100

100 64.3 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN052470.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN052470.D (-2570) (-)

10.09

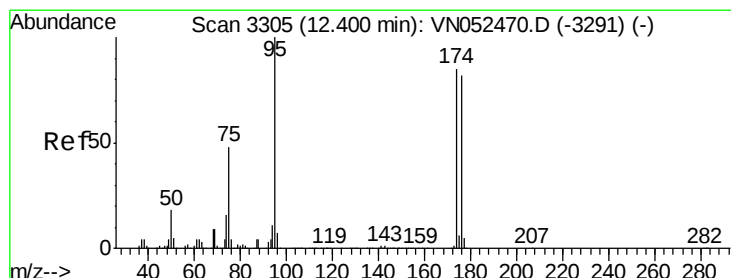
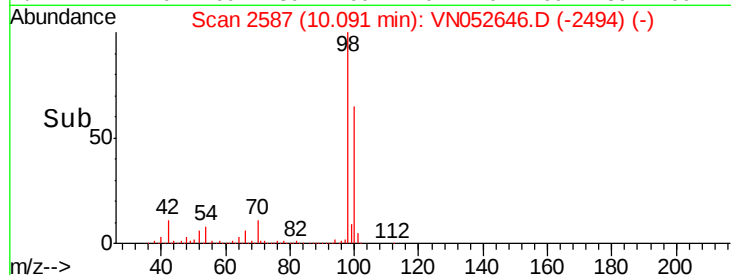
1500000

1000000

500000

0

Time-->



#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN052646.D

Acq: 4 Dec 2018 11:25

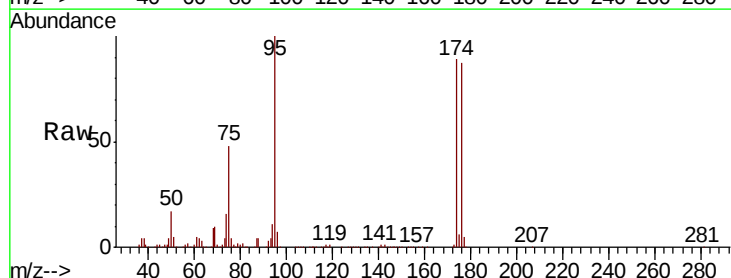
Tgt Ion: 95 Resp: 701221

Ion Ratio Lower Upper

95 100

174 88.2 0.0 173.0

176 85.7 0.0 166.2



Abundance Ion 94.90 (94.60 to 95.60): VN052470.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN052470.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN052470.D (-3291) (-)

12.40

500000

400000

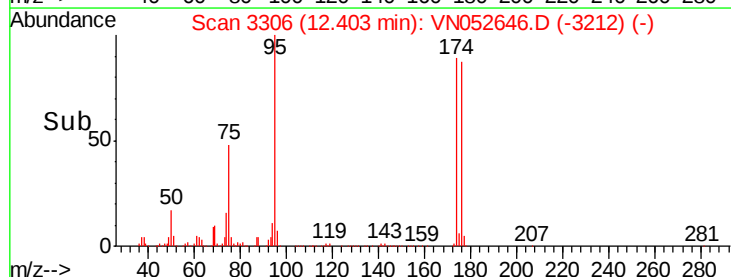
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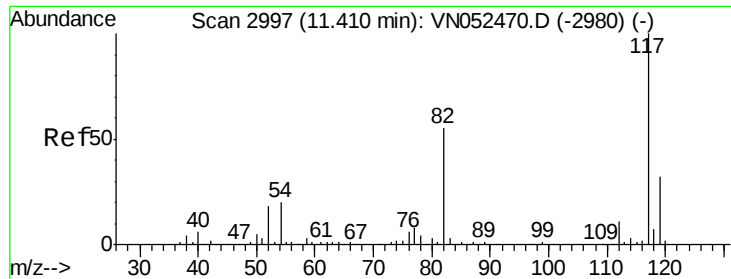
200000

100000

0

Time-->

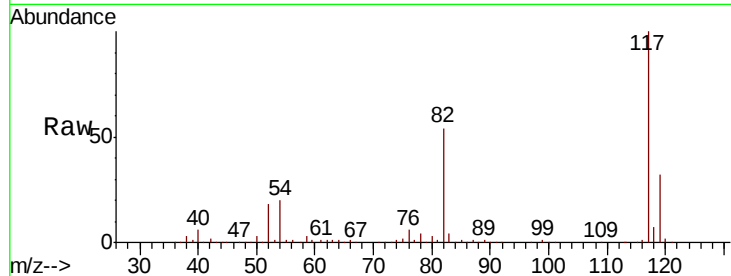




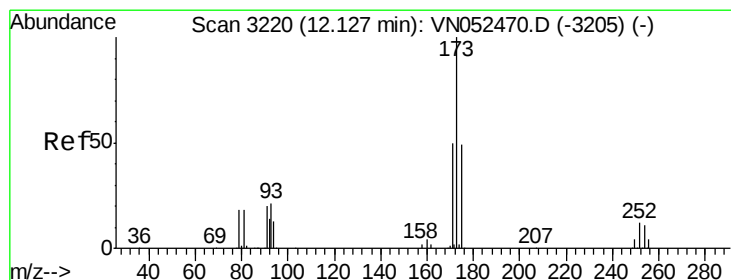
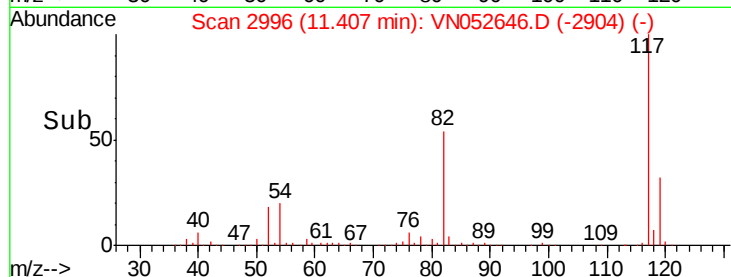
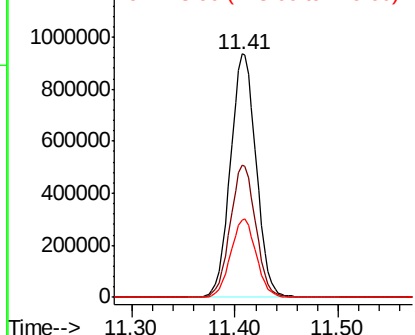
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052646.D
Acq: 4 Dec 2018 11:25

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBL01

Tot Ion:117 Resp: 1622514
Ion Ratio Lower Upper
117 100
82 54.5 43.6 65.4
119 31.9 25.4 38.2

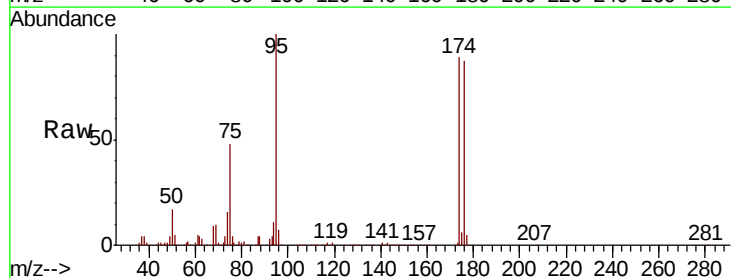


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

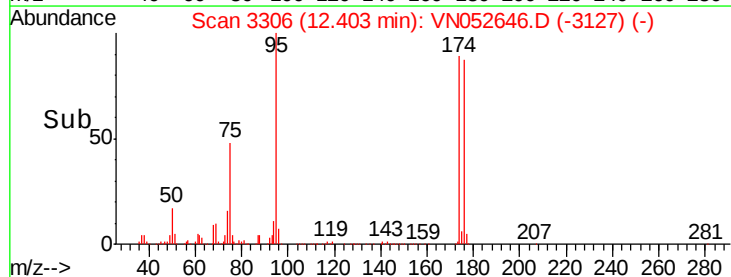
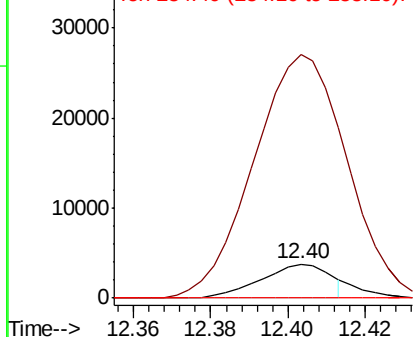


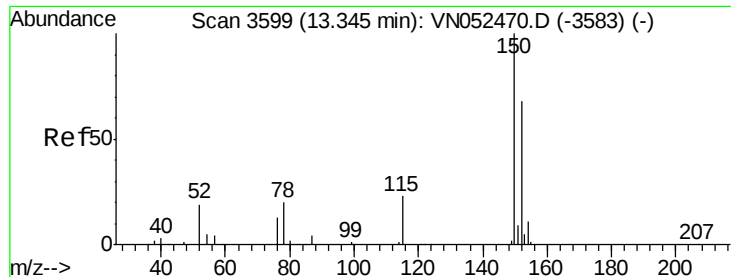
#71
Bromoform
Concen: 0.603 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN052646.D
Acq: 4 Dec 2018 11:25

Tgt Ion:173 Resp: 4645
Ion Ratio Lower Upper
173 100
175 831.4 24.4 73.2#
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN052646.D

Acq: 4 Dec 2018 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBL01

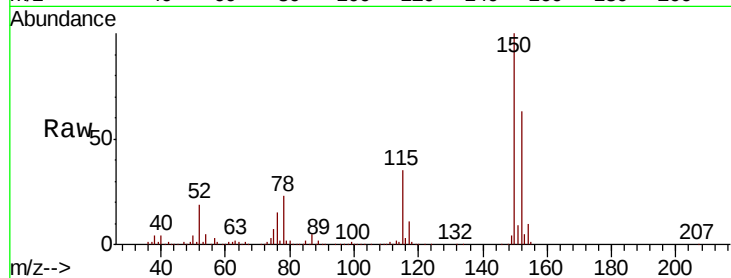
Tot Ion:152 Resp: 593187

Ion Ratio Lower Upper

152 100

115 56.0 28.4 85.2

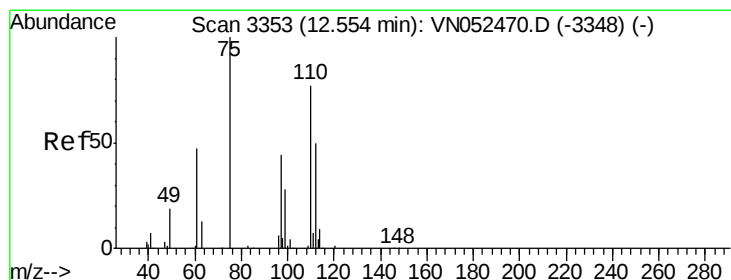
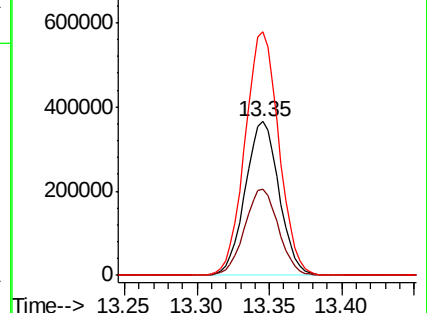
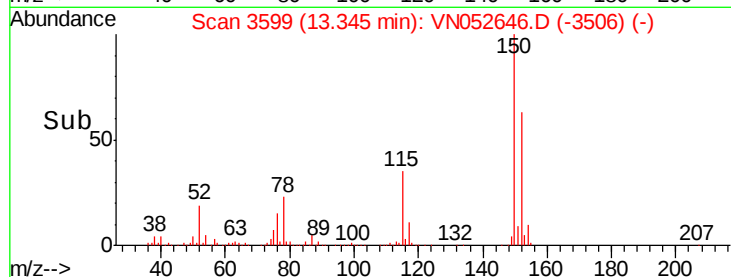
150 158.7 0.0 346.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 36.669 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN052646.D

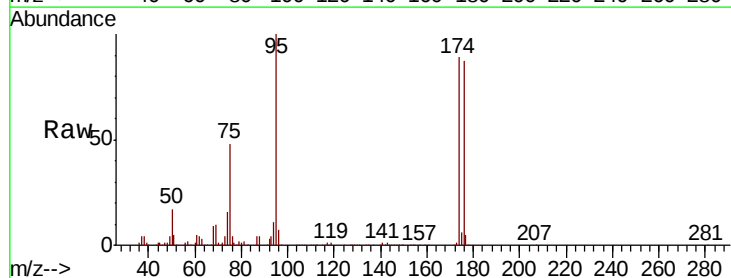
Acq: 4 Dec 2018 11:25

Tgt Ion: 75 Resp: 335419

Ion Ratio Lower Upper

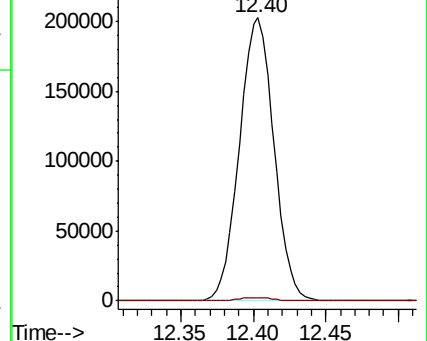
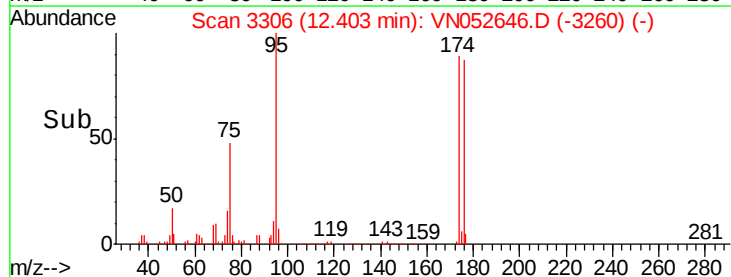
75 100

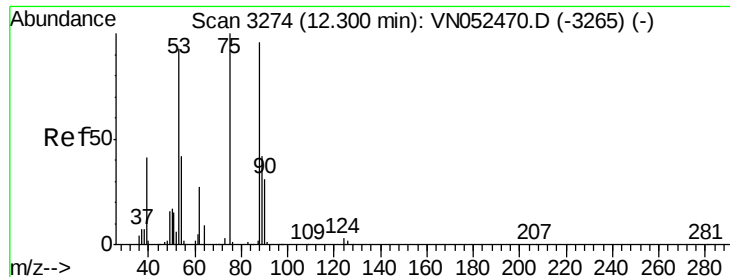
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 122.456 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN052646.D

Acq: 4 Dec 2018 11:25

Instrument :

MSVOA_N

ClientSampled :

VN1204WBL01

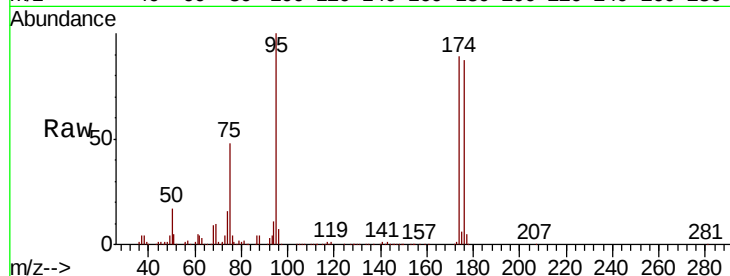
Tot Ion: 75 Resp: 335419

Ion Ratio Lower Upper

75 100

53 0.0 77.4 116.0#

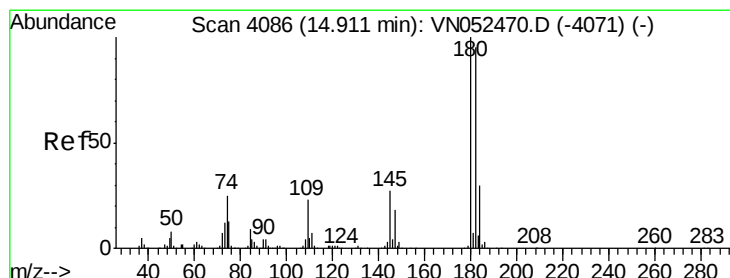
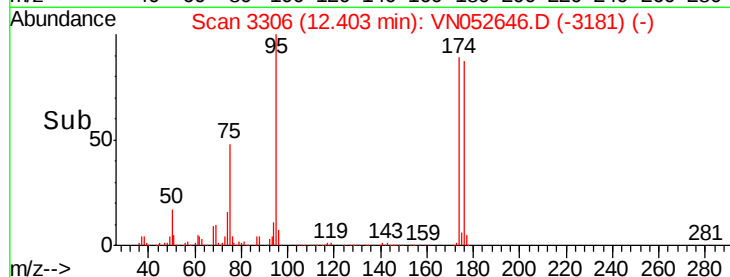
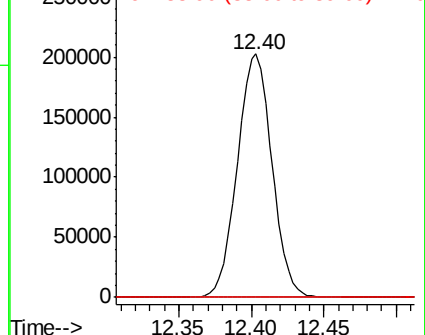
89 0.0 35.4 53.2#



Abundance Ion 74.90 (74.60 to 75.60): VN052470.D (-3265) (-)

Ion 53.00 (52.70 to 53.70): VN052470.D (-3265) (-)

Ion 88.90 (88.60 to 89.60): VN052470.D (-3265) (-)



#93

1,2,4-Trichlorobenzene

Concen: 3.193 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.00 min

Lab File: VN052646.D

Acq: 4 Dec 2018 11:25

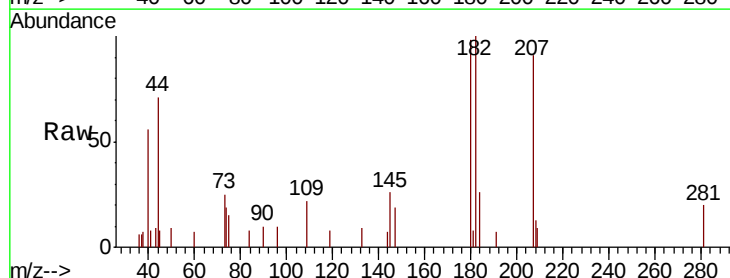
Tgt Ion:180 Resp: 4060

Ion Ratio Lower Upper

180 100

182 106.1 47.8 143.4

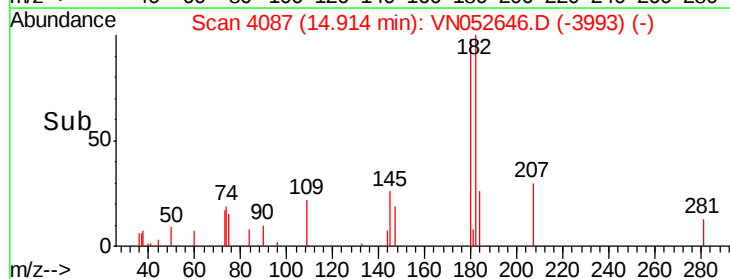
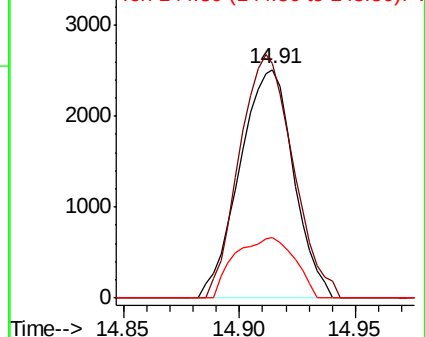
145 29.2 14.1 42.3

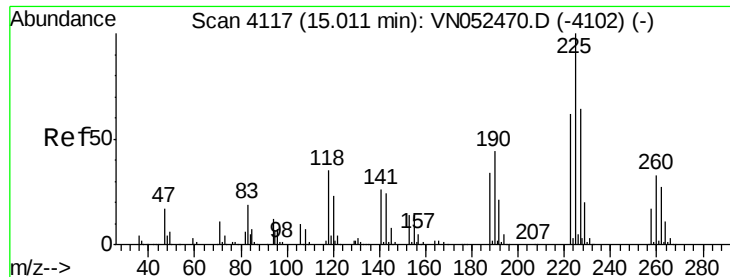


Abundance Ion 179.80 (179.50 to 180.50): VN052470.D (-4071) (-)

Ion 181.80 (181.50 to 182.50): VN052470.D (-4071) (-)

Ion 144.80 (144.50 to 145.50): VN052470.D (-4071) (-)





#94

Hexachlorobutadiene

Concen: 0.833 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN052646.D

Acq: 4 Dec 2018 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBL01

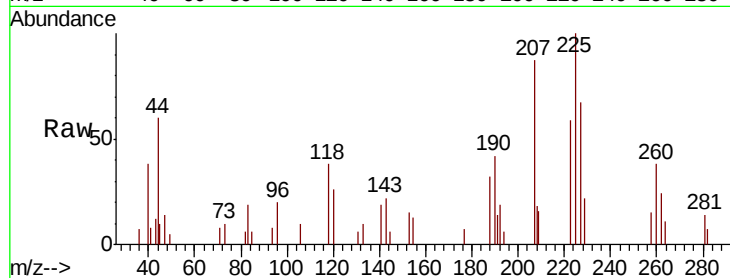
Tot Ion:225 Resp: 5152

Ion Ratio Lower Upper

225 100

223 56.1 31.4 94.2

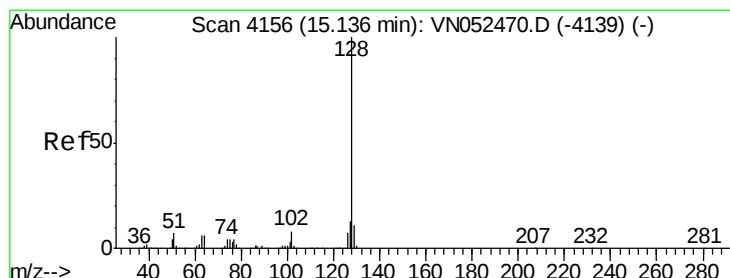
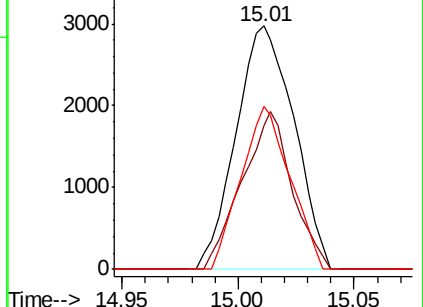
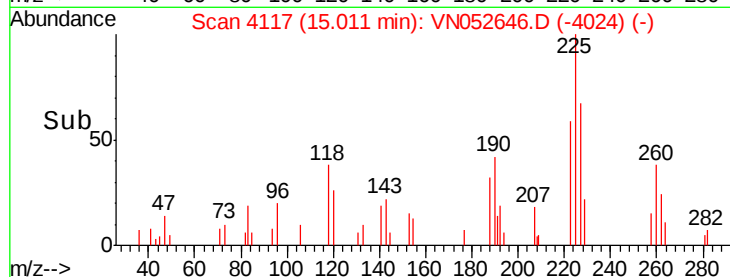
227 56.7 32.5 97.4



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 3.912 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN052646.D

Acq: 4 Dec 2018 11:25

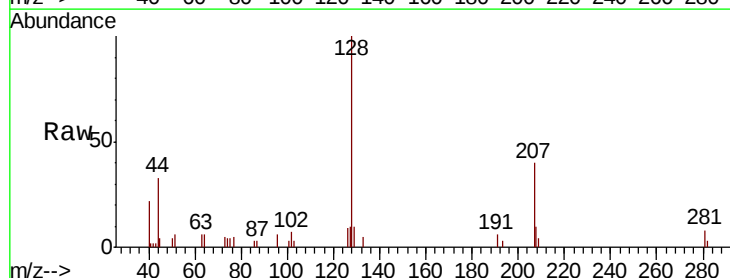
Tgt Ion:128 Resp: 11598

Ion Ratio Lower Upper

128 100

127 11.6 10.2 15.2

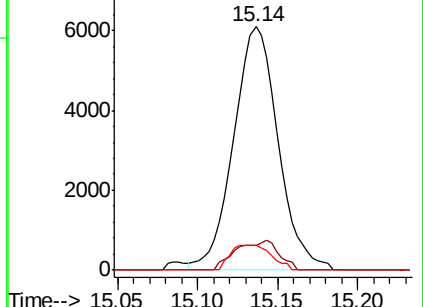
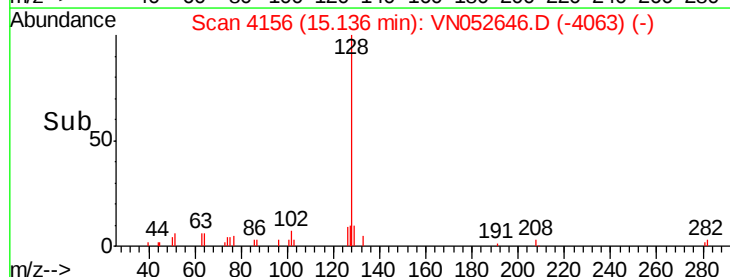
129 9.4 8.7 13.1

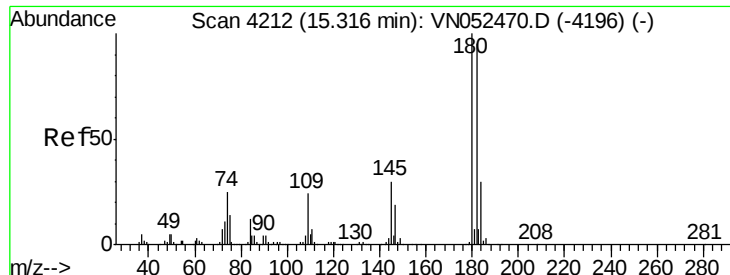


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 3.256 ug/l

RT: 15.32 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN052646.D

Acq: 4 Dec 2018 11:25

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBL01

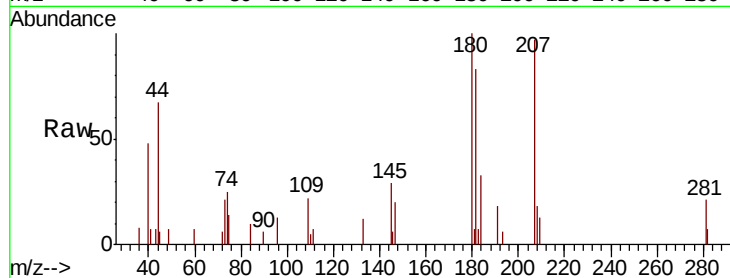
Tot Ion:180 Resp: 5418

Ion Ratio Lower Upper

180 100

182 93.6 47.8 143.3

145 26.8 15.2 45.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

